

Mouse anti-Human CD252 Monoclonal Antibody | anti-CD252 antibody

anti-human CD252(OX40L)-Purified Preservative Free

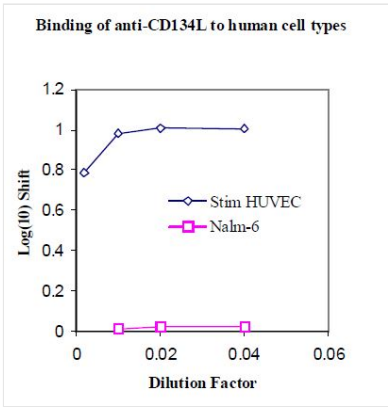
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78180	Mouse	Human	ELISA, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD252; Monoclonal Antibody; anti-human CD252(OX40L)-Purified Preservative Free; Monoclonal anti-human CD252 (CD134L; OX40L); anti-CD252 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1k
Clone Number	ANC10G1
Purity/Purification	Purified Preservative Free
Form/Format	50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl
Concentration	1.0 mg/ml (varies by lot)
Applicable Applications for anti-CD252 antibody	Blocking, ELISA, FCM/FACS (Flow Cytometry)
Performance	Cultured human umbilical cord vein endothelial cells were harvested by trypsinization, after which they were washed and incubated 45 minutes on ice with 80 ul of anti-CD134L antibody at 10 ug/ml. Cells were washed twice and incubated with 2 degree reagent Goat anti-Mouse IgG/FITC, after which they were washed three times, fixed and analyzed by FACS. A net 14% subpopulation of the cells stained positive with a mean shift of 1.0 log10 fluorescent units when compared to a Mouse IgG1 negative control at a similar concentration.
Production	Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE and contains less than 1% Bovine Immunoglobulin. Product was 0.2u sterile filtered and vialled under aseptic conditions.
Buffer	50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl.
Immunogen	Human HUVEC and Recombinant soluble human CD134L
Preparation and Storage	Store at 2 - 5 degree C. Freeze/Thawing is not recommended. Open under aseptic conditions. Product should retain activity for at least 12 months after shipping date when stored as recommended.



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-CD252 antibody	Information: Human CD134L (OX-40 Ligand) is a type II membrane protein with homology to TNF which is expressed on activated B cells and activated endothelial cells. CD134L binds to CD134 present on activated T cells, providing a costimulatory signal (1). This pathway seems to be more effective for costimulation of CD4+ helper T cells than for CD8+ effector T cells (4). Blockade of this interaction in mouse abrogated immunological effects in several models of inflammation and rejection (5,6,7,8). Antibody from clone ANC10G1 binds to CD134L on the cell surface of HUVEC in Flow cytometry, and blocks binding of recombinant CD134-mulg.
References	1) W. R. Godfrey, et al, (1994) J Exp Med 180: 757-763. 2) L.M. Higgins, et al, (1999) J Immunol 162: 486-493. 3) A.D. Weinberg, et al, (1999) J Immunol 162: 1818-1826. 4) V.Y. Taraban, et al, (2002) Eur J. Immunol. 32: 3617-3627. 5) V. Malmstrom, et al, (2001) J Immunol 166: 6972. 6) C. Nohara, et al, (2001) J Immunol 166: 2108-2115. 7) X. Yuan, et al, (2003) J Immunol 170: 2949-2955. 8) L. Tian, et al, (2002) Transplantation 74(1): 133-138.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.